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TITLE: COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS

INVENTORS NAME: Keith V. Wood et al.

SERIAL NO.: 10/768,976

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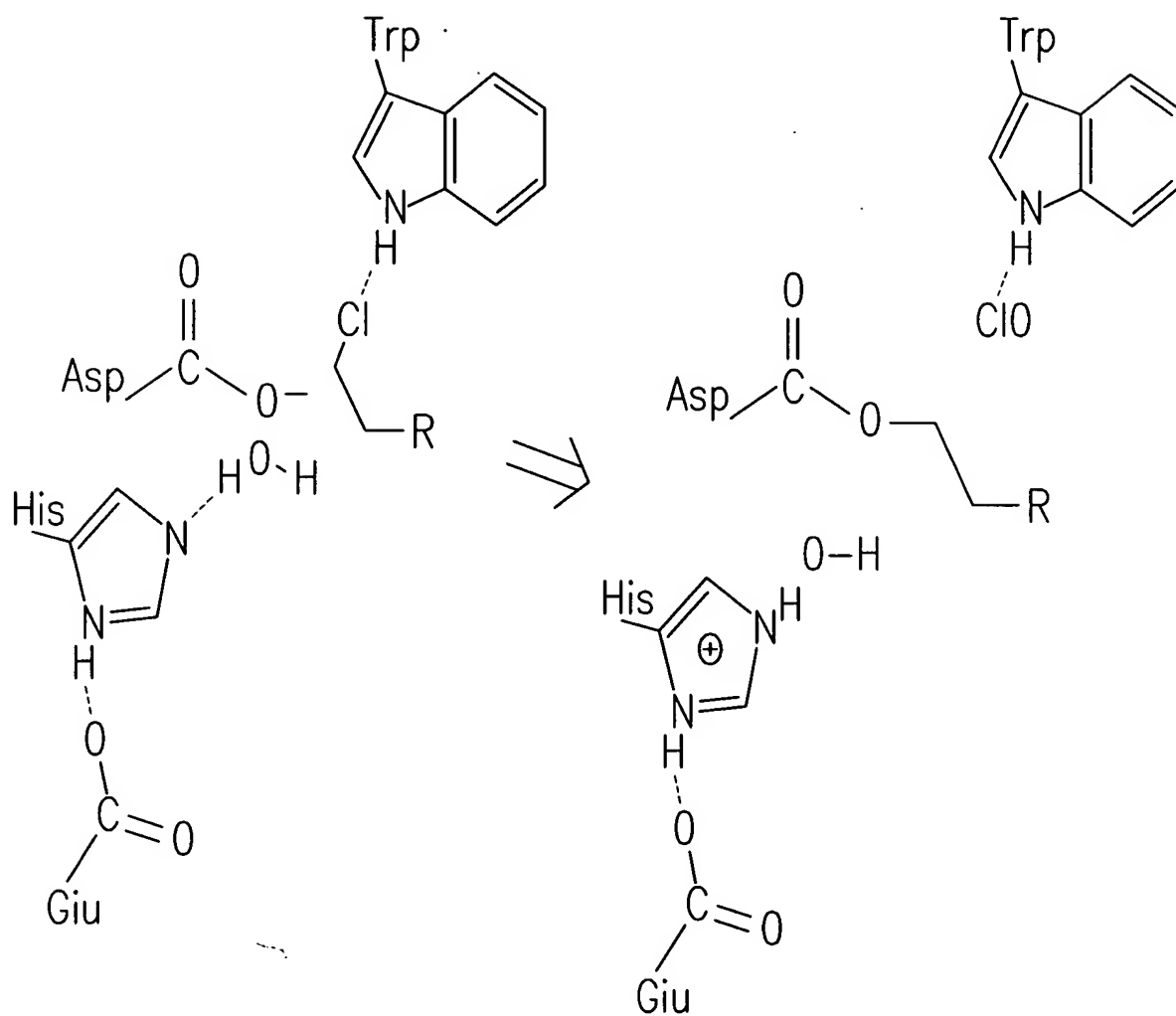


FIG. 1



FIG. 2A

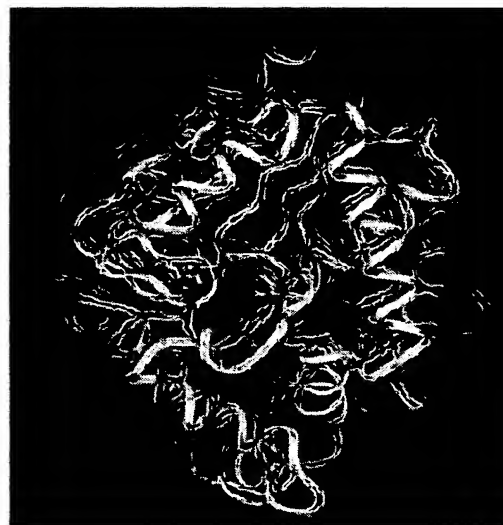


FIG. 2B

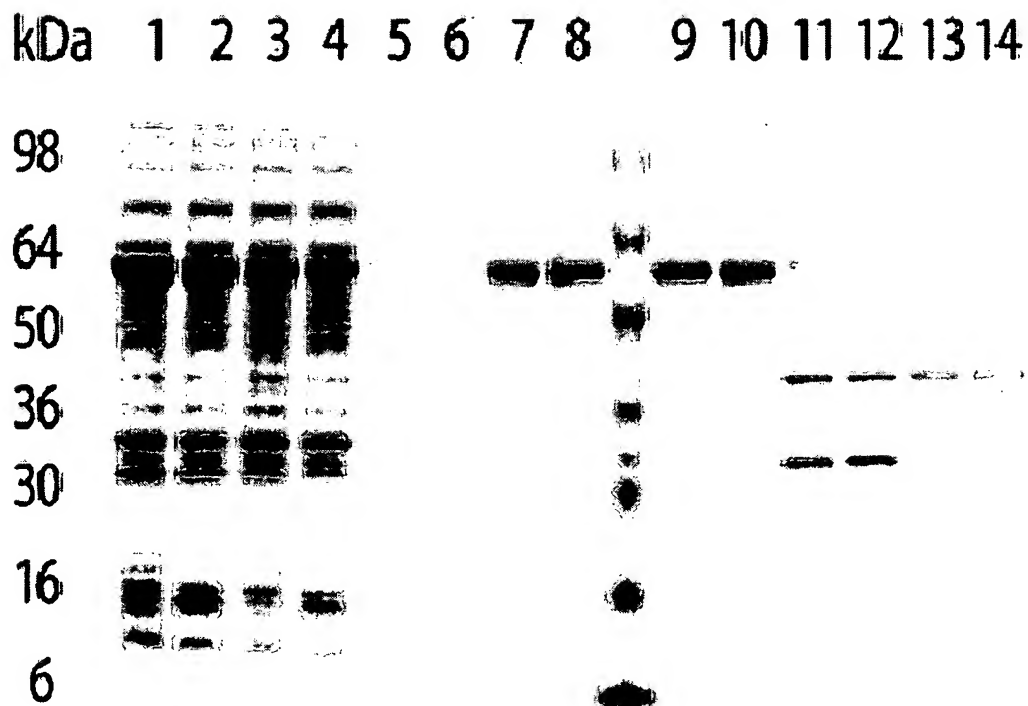


FIG. 3

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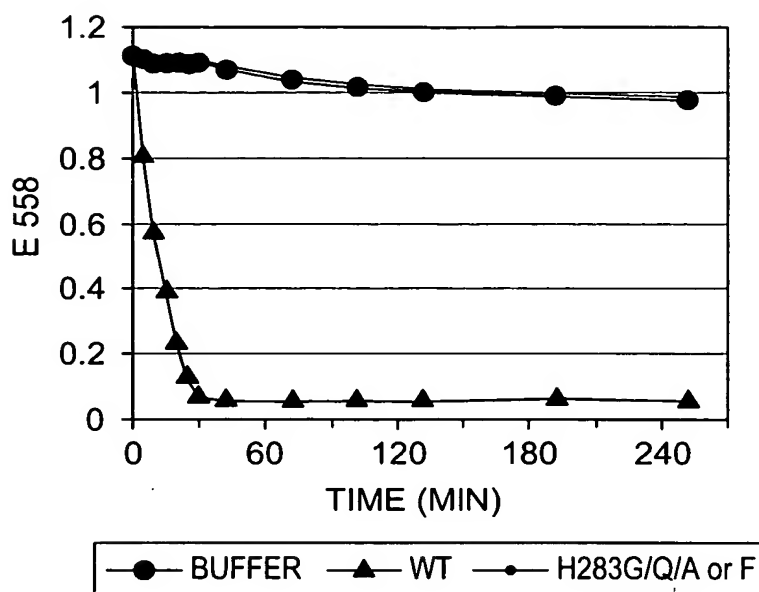


FIG. 4



FIG. 5A

FIG. 5B

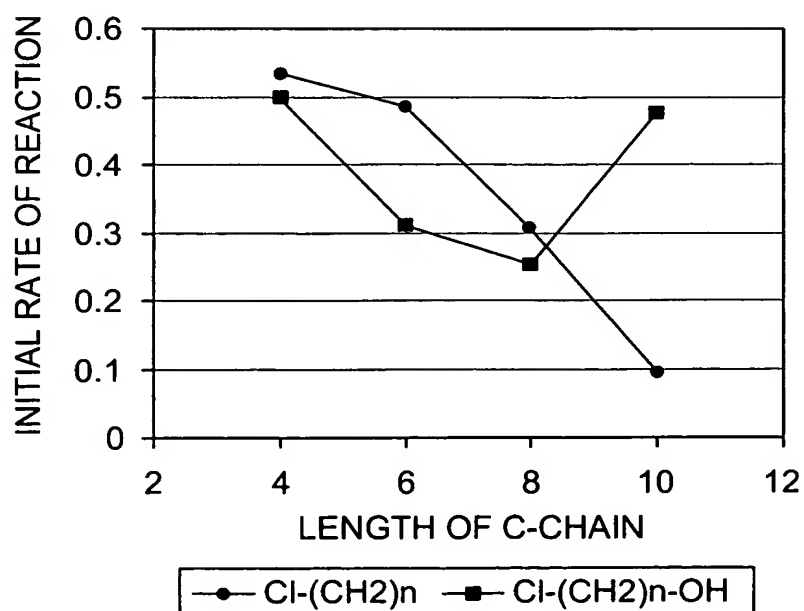


FIG. 6

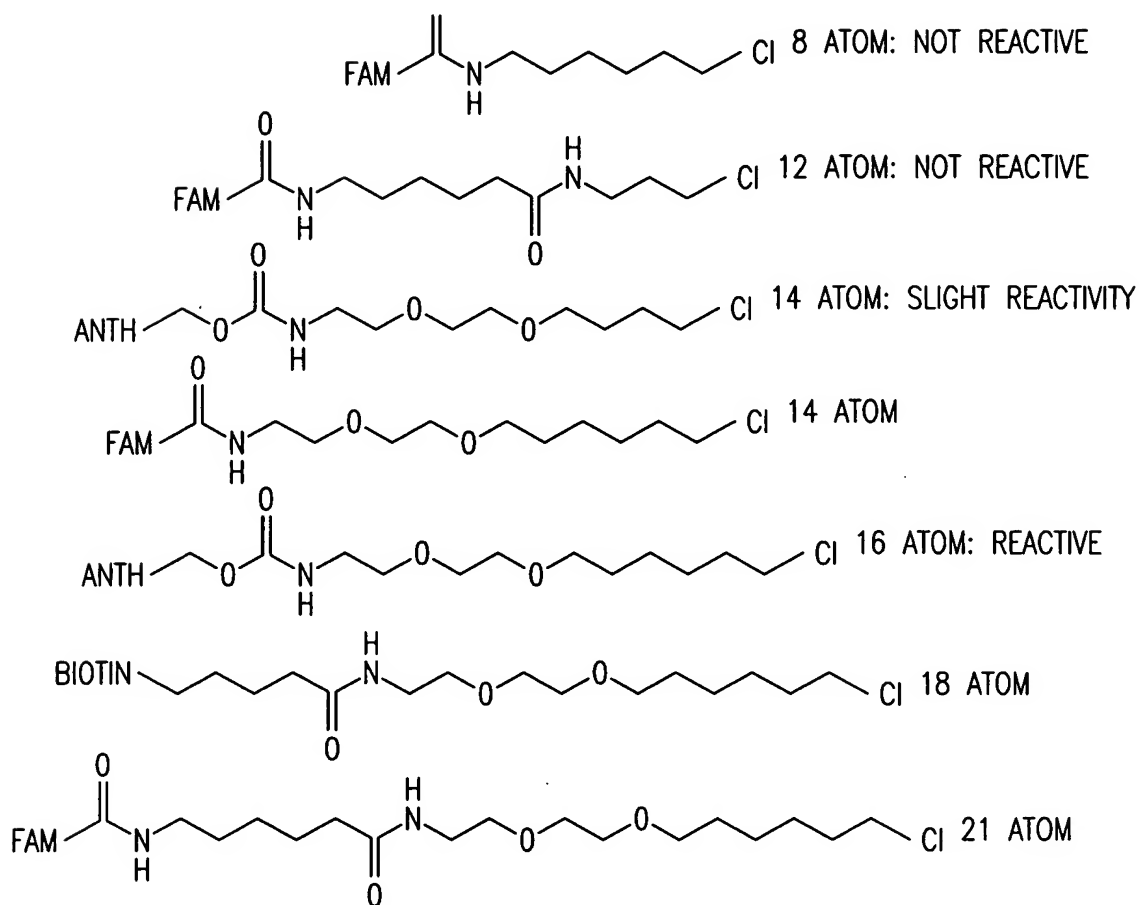


FIG. 7

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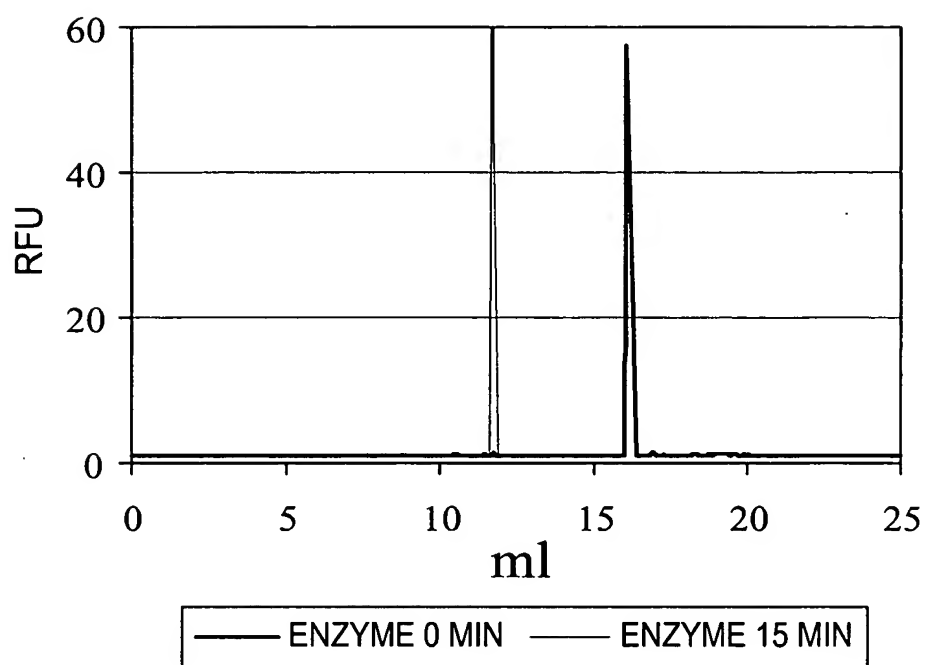


FIG. 8A

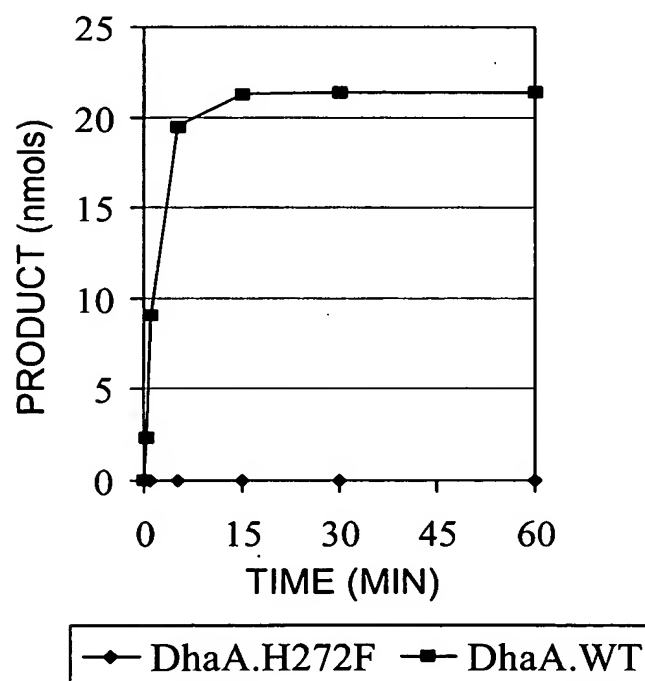


FIG. 8B

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1 2 3 4 5 6

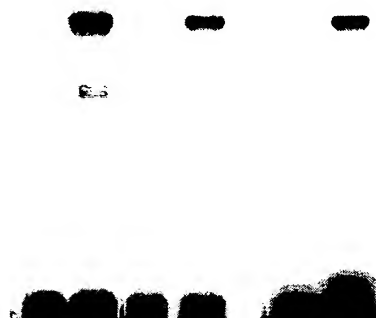


FIG. 9A

1 2 3 4 5 6 7 8 9 10 11 12 13 14



FIG. 9B

1 2 3 4 5 6 7 8 9 10

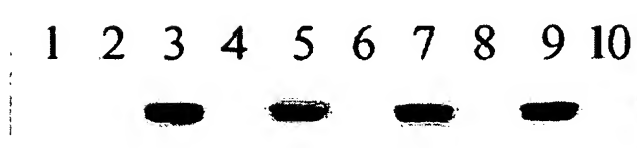


FIG. 10

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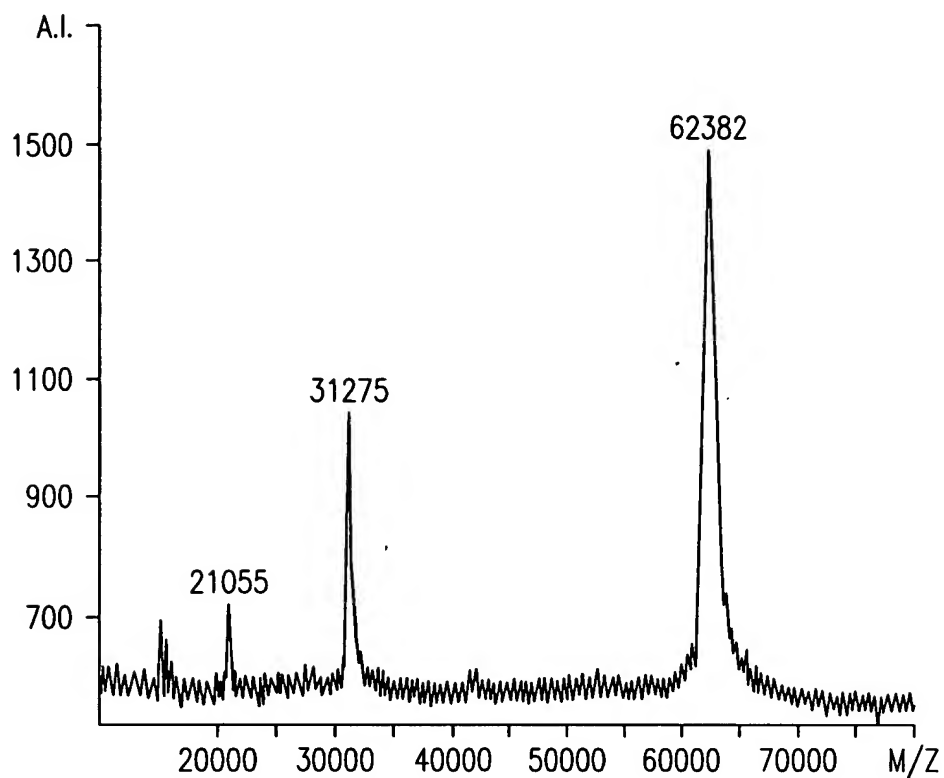


FIG. 11A

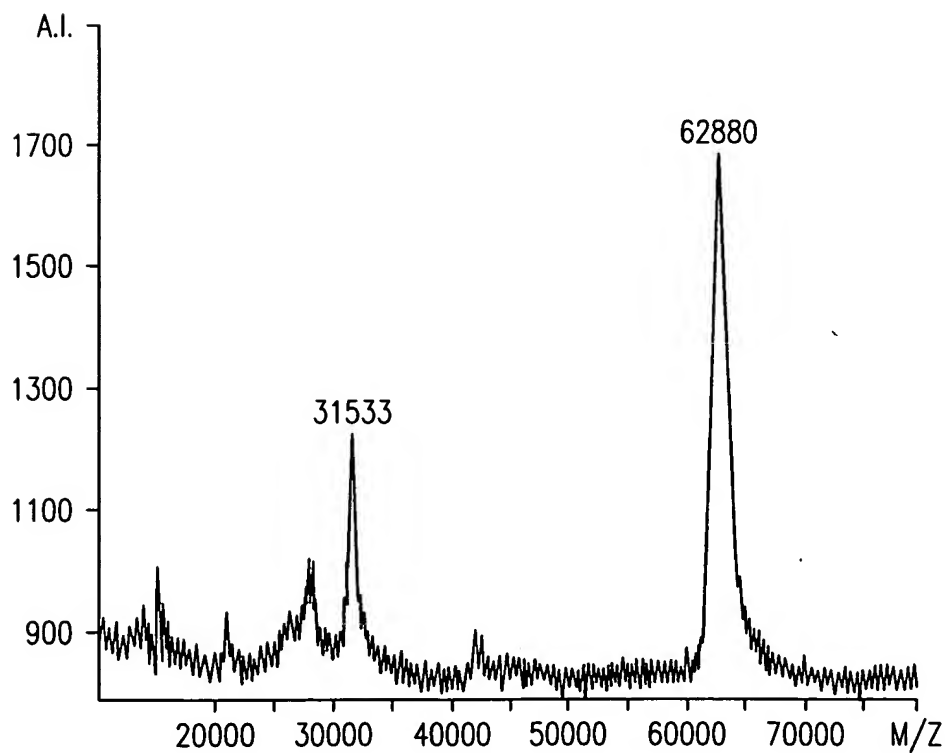


FIG. 11B

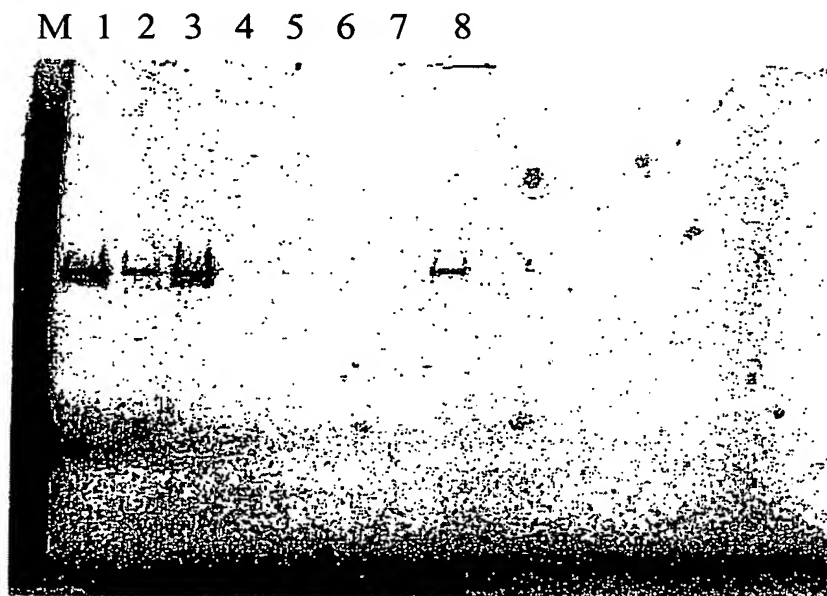


FIG. 12

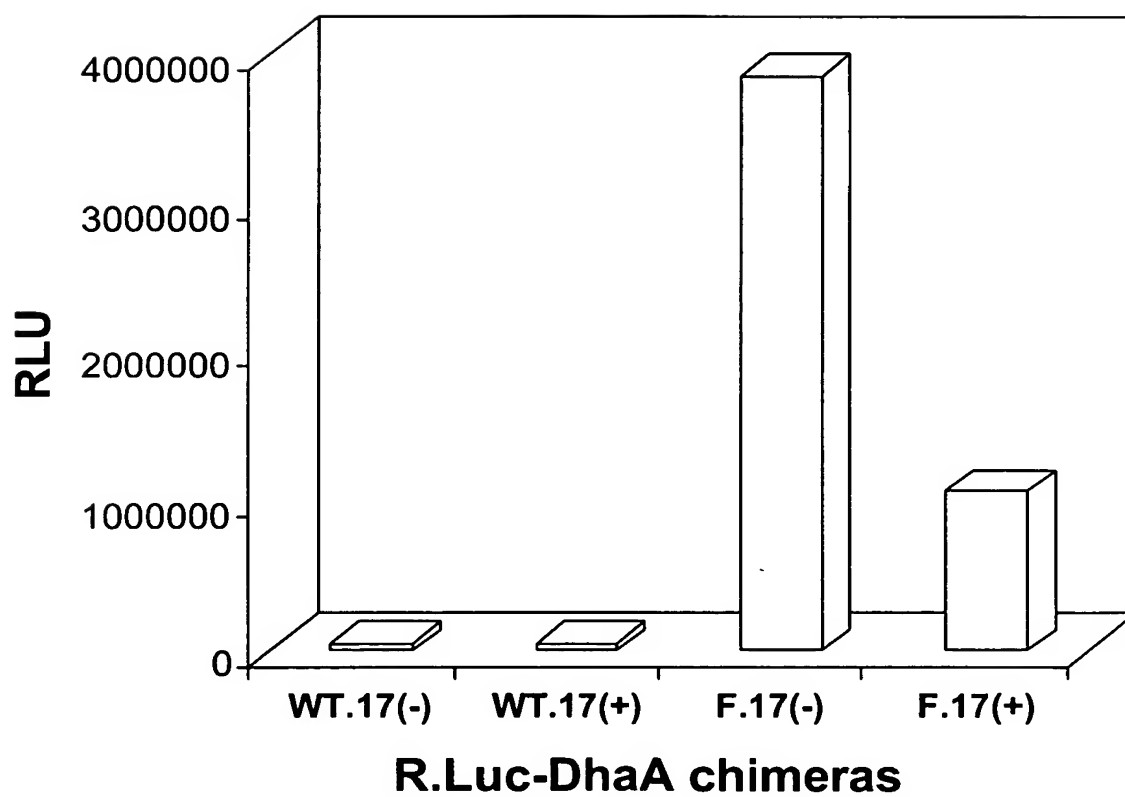


FIG. 13

1 2 3 4 5 6 7

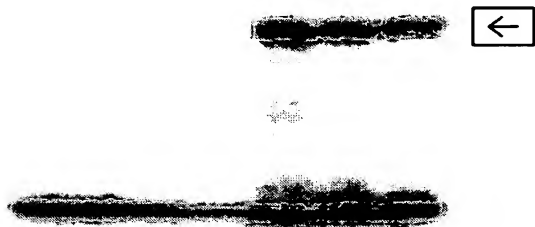


FIG. 14A

1 2 3 4 5 6 7 8



FIG. 14B

1 2 3 4 5 6 7 8



FIG. 15

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LIGHT MICROSCOPE IMAGE

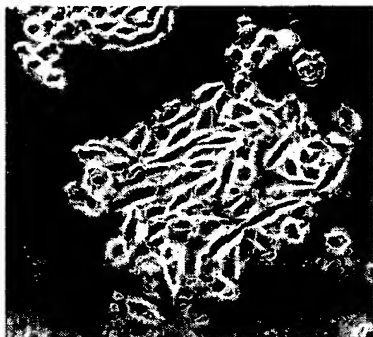


FIG. 16A

FLUORESCENT IMAGE,
CHO-K1 CELLS WITH
TMR-CONJUGATED SUBSTRATE;
PRIOR TO WASH STEP



FIG. 16B

FLUORESCENT IMAGE,
CHO-K1 CELLS WITH
TMR-CONJUGATED SUBSTRATE;
AFTER WASH STEP

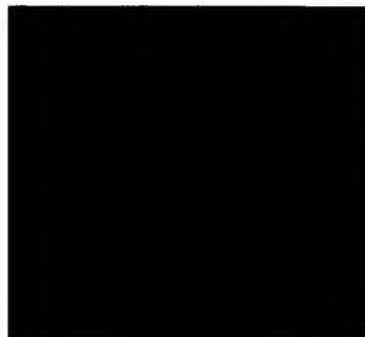


FIG. 16C

CHO-K1 EXPRESSING
GFP-WT FUSION,
UNDER LIGHT MICROSCOPE

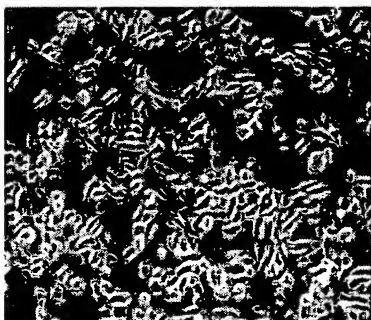


FIG. 17A

CHO-K1 EXPRESSING
GFP-WT FUSION,
WITH GFP FILTER SET

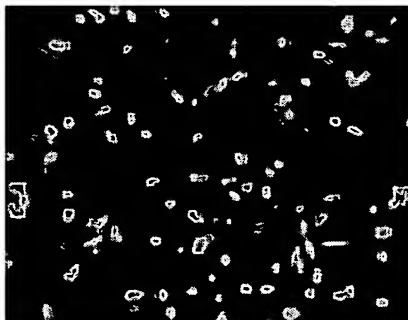


FIG. 17B

CHO-K1 EXPRESSING
GFP-WT FUSION,
WITH TMR FILTER SET

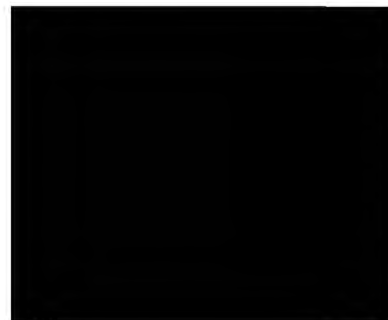


FIG. 17C

CHO-K1 EXPRESSING
GFP-H272F FUSION,
UNDER LIGHT MICROSCOPE

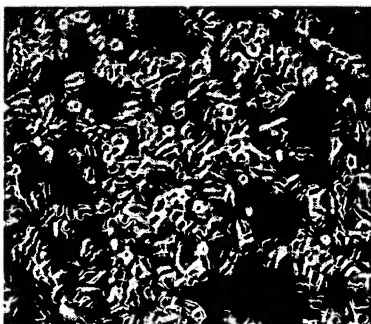


FIG. 17D

CHO-K1 EXPRESSING
GFP-H272F FUSION,
UNDER GFP FILTER SET



FIG. 17E

CHO-K1 EXPRESSING
GFP-H272F FUSION,
UNDER TMR FILTER SET

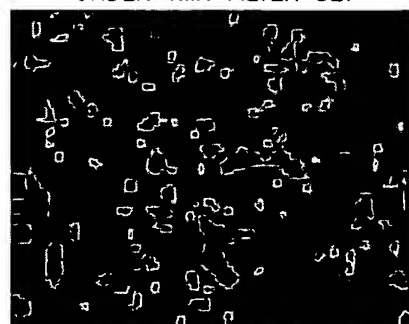


FIG. 17F

1 2 3 4 5 6 7 8



FIG. 18

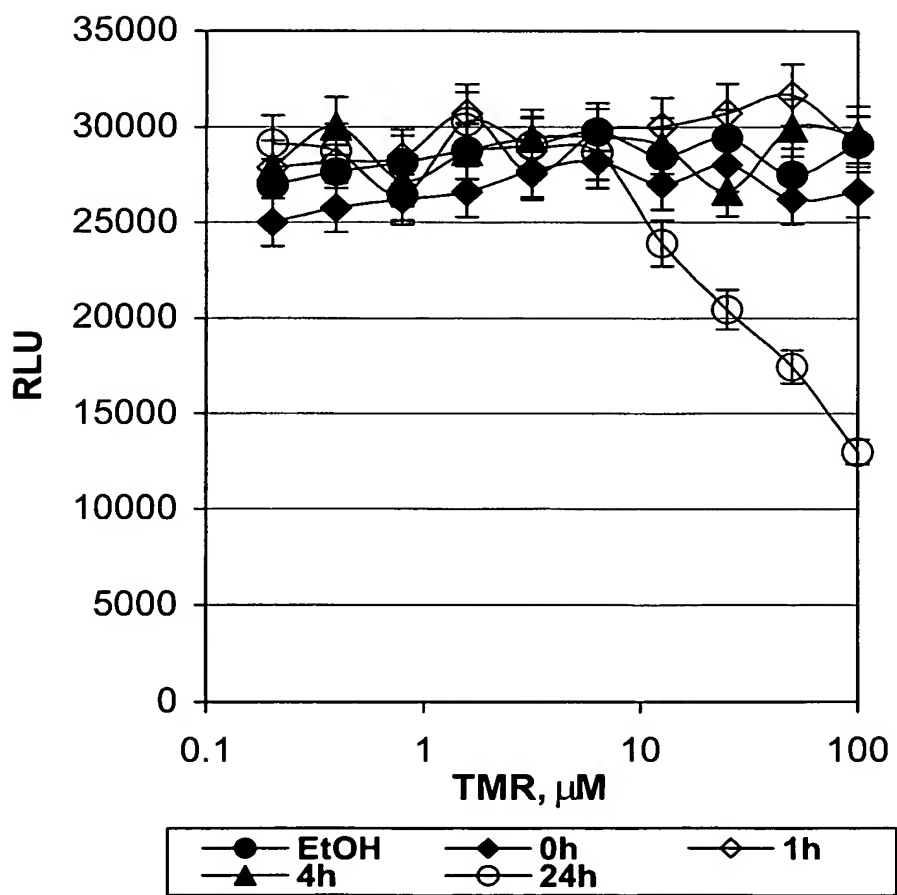


FIG. 19A

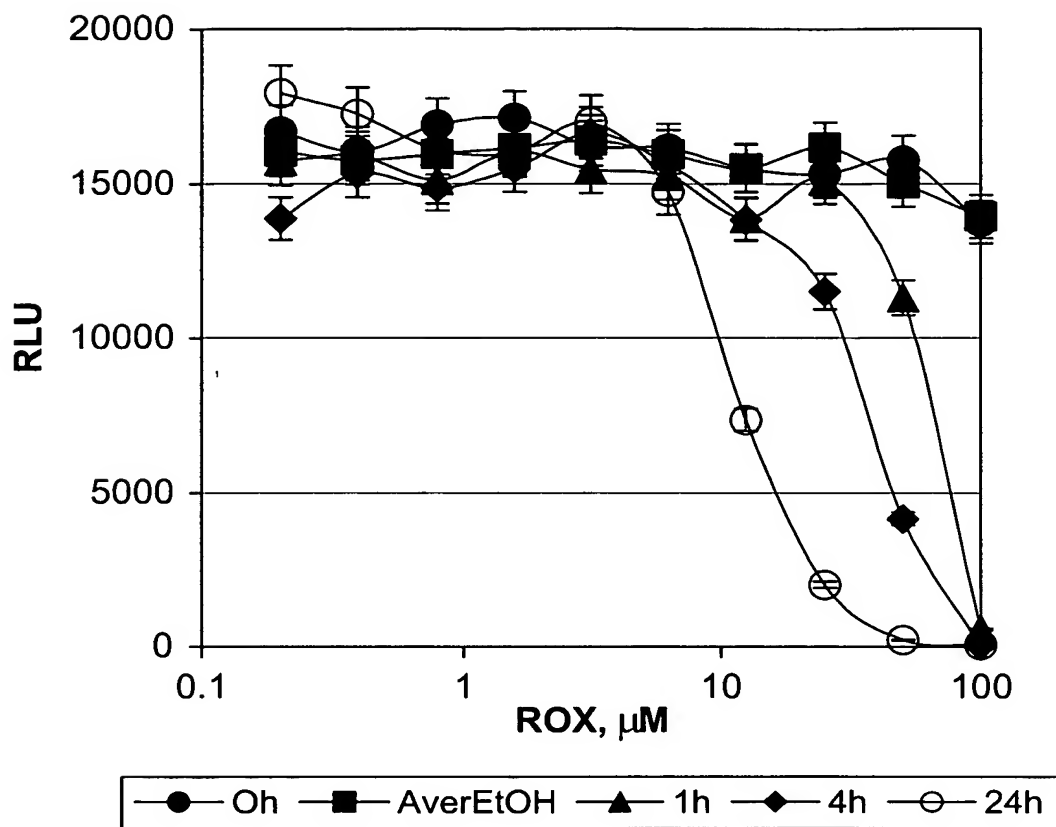


FIG. 19B

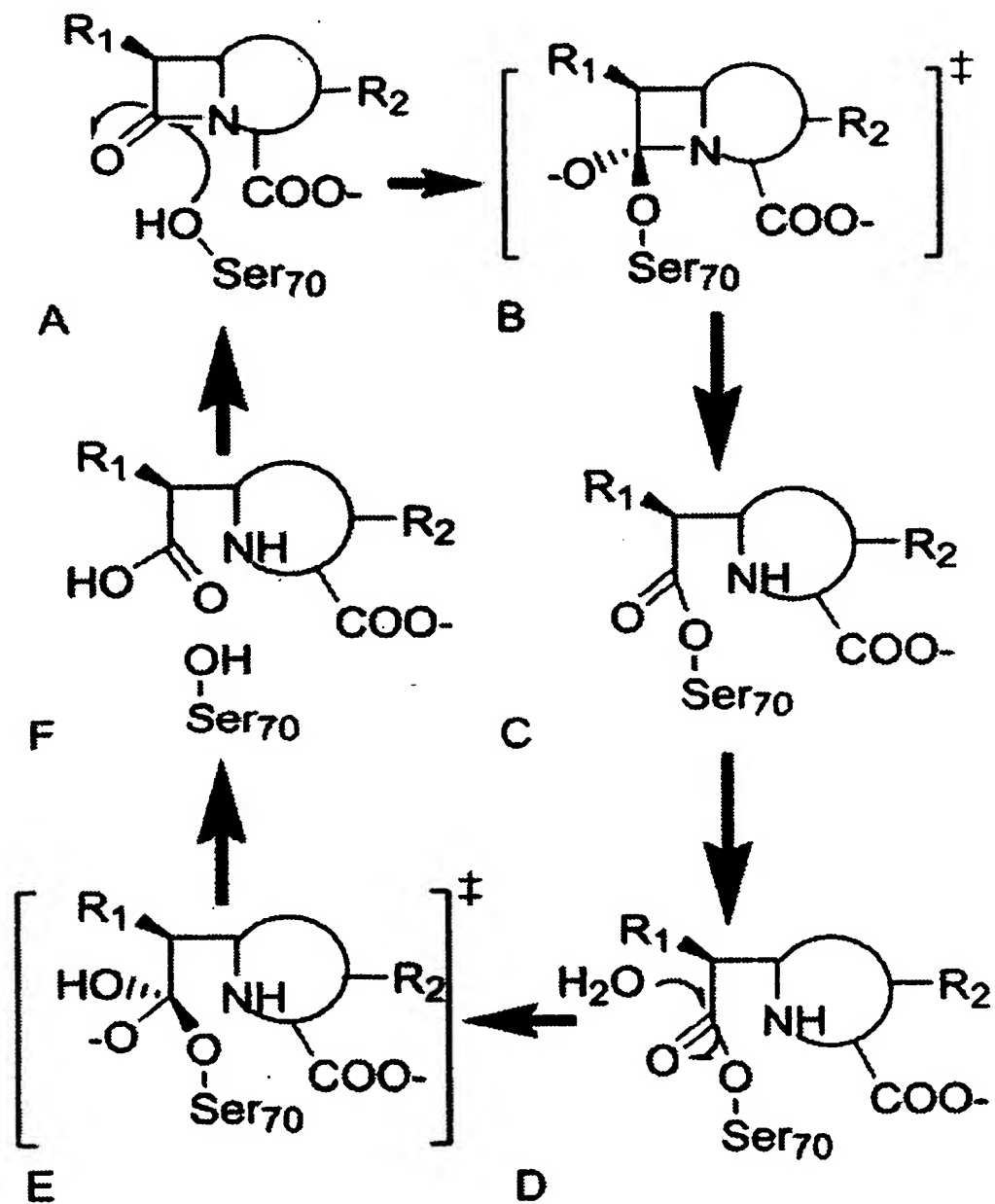


FIG. 20

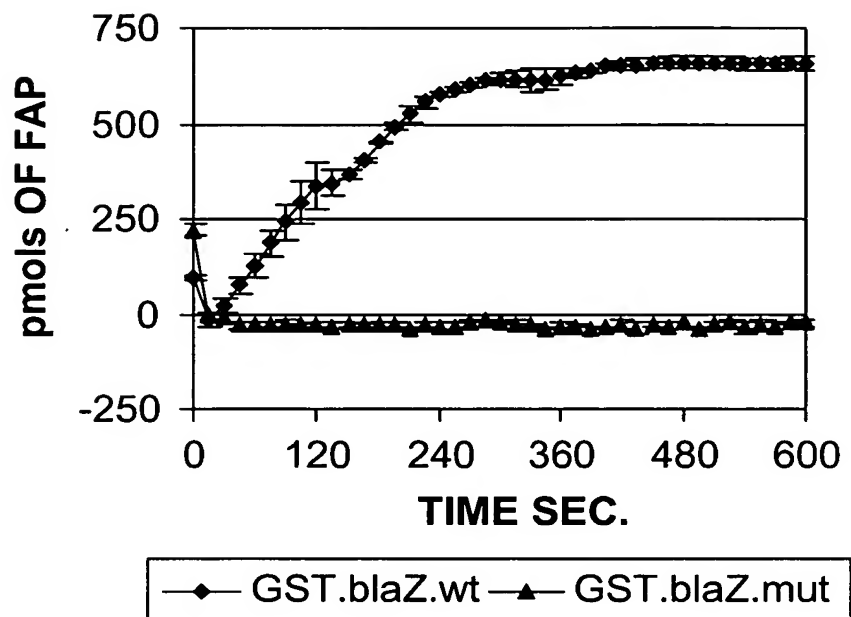


FIG. 21

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1 2 3 4 5



FIG. 22

1 2 3 4 5

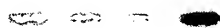


FIG. 23

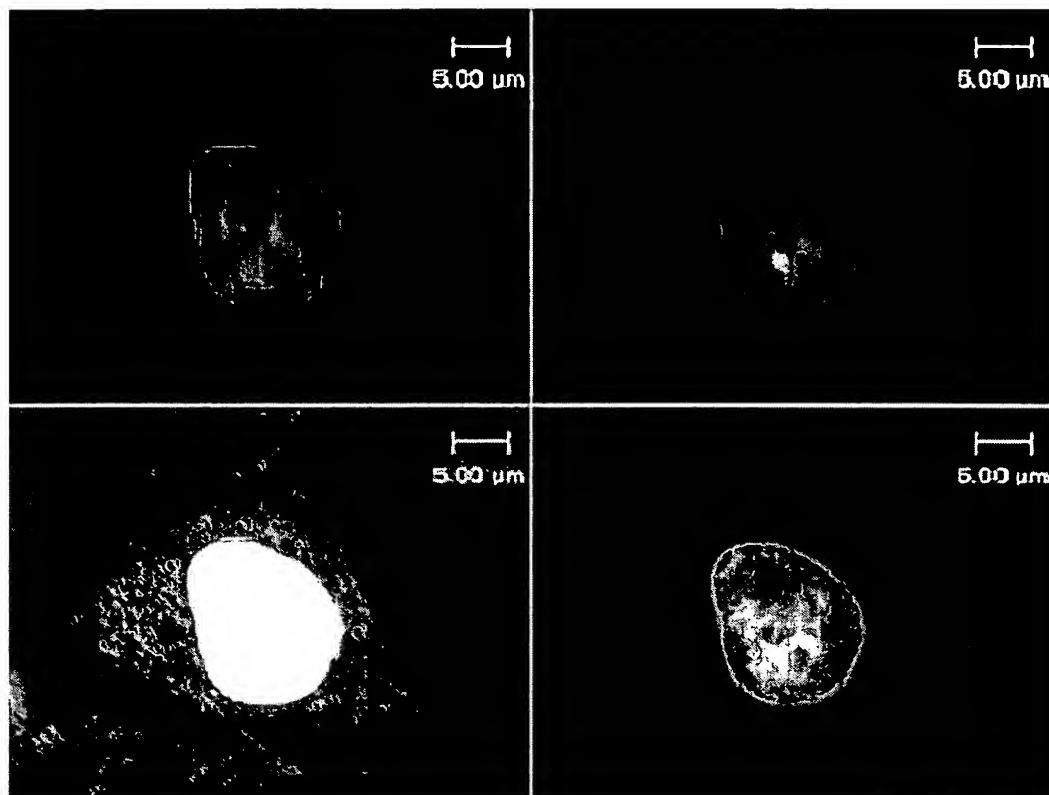


FIG. 24

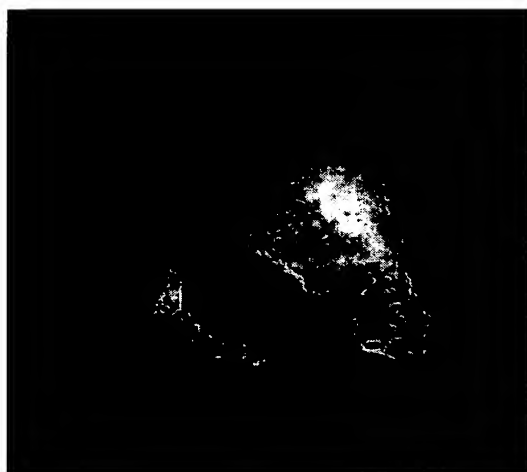


FIG. 25A



FIG. 25B

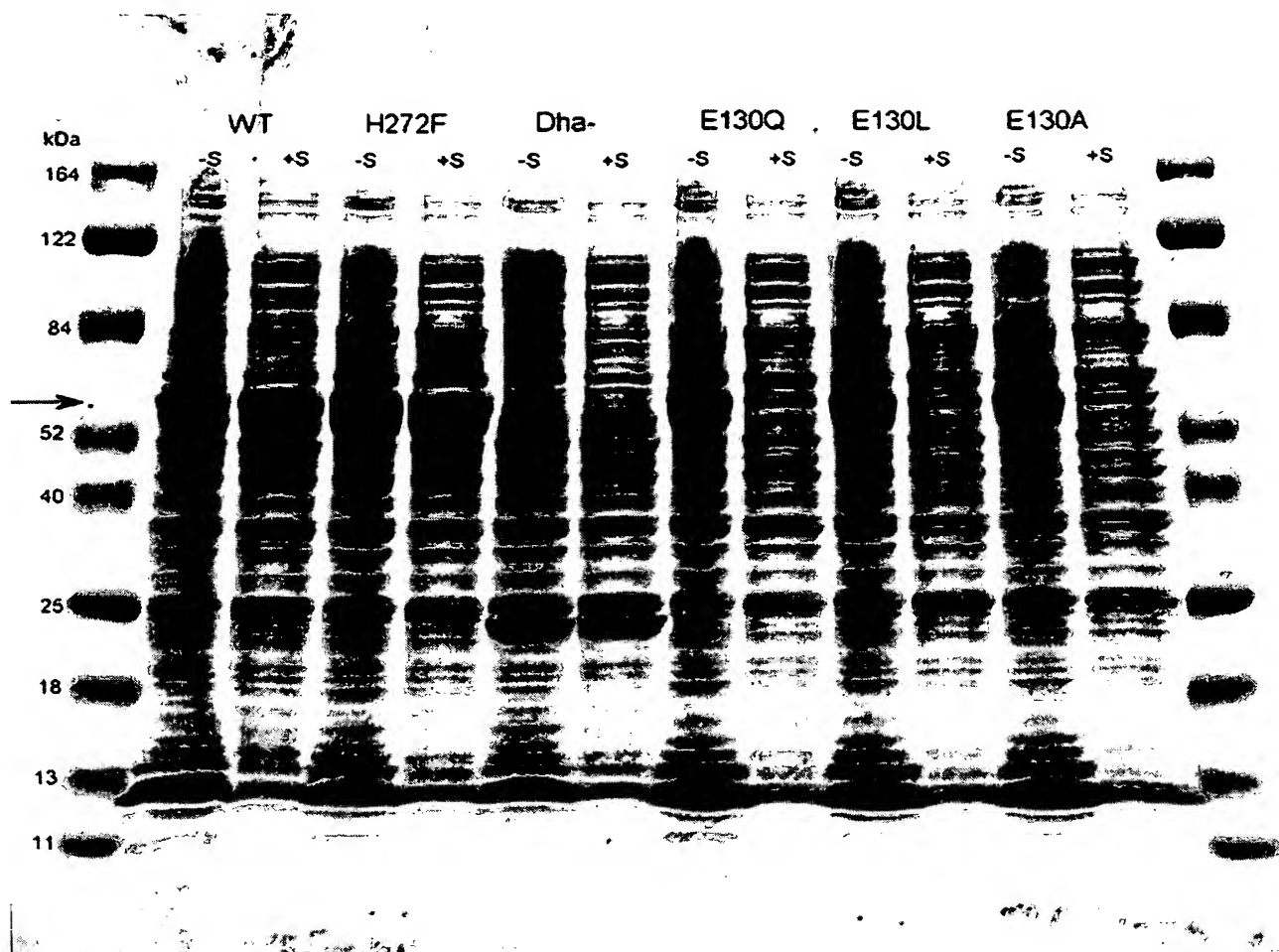


FIG. 26

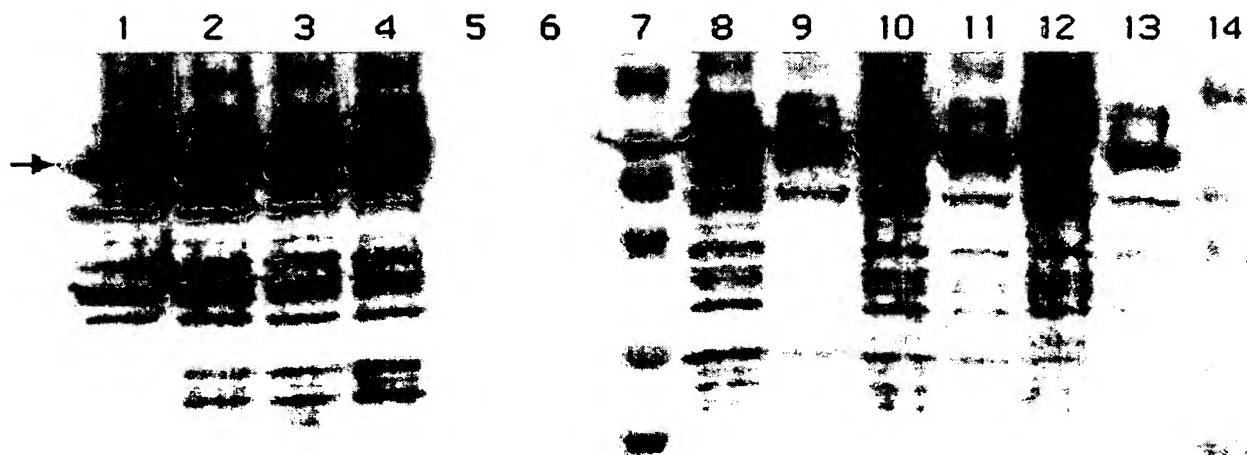


FIG. 27



FIG. 28



FIG. 29

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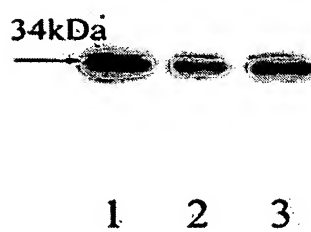


FIG. 30A

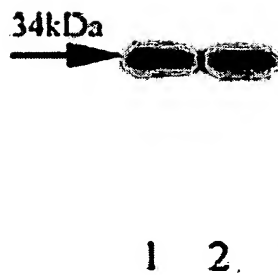


FIG. 30B

TITLE: COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS

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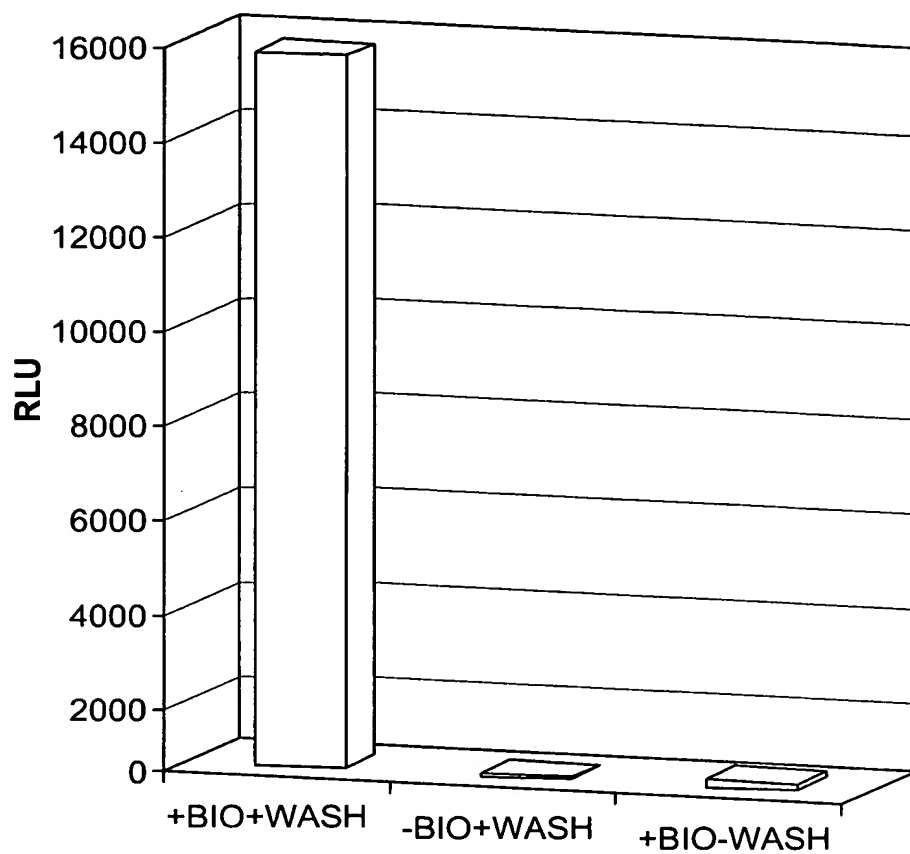


FIG. 30C



1 2 3

FIG. 30D